# Contents of Volume 6 1988

## Number 1 1988

**Newsline** ..... 2
**Calendar** ..... 4
**Announcement** ..... 6

G. Krauss
**Commentary: The 6th International Congress on the Heat Treatment of Materials** ..... 7

L. Sproge and J. Ågren
**Experimental and Theoretical Studies of Gas Consumption in the Gas Carburizing Process** ..... 9

J.D. Verhoeven and H.L. Downing
**Removal of Texture from Steels** ..... 21

C.E. Bates
**Predicting Properties and Minimizing Residual Stress in Quenched Steel Parts** ..... 27

G.F. Bobart
**Technical Note: Transverse Flux Induction Heat Treating** ..... 47

**The 6th International Congress on the Heat Treatment of Materials** ..... 53

## Number 2 1988

**Newsline** ..... 64
**Calendar** ..... 69

H. Muraki, S. Matunaga, Y. Fujitani, M. Taki, and M. Ogino
**A New Catalyst System for Endothermic Gas Production** ..... 71

G.E. Hicho and R.J. Fields
**Effects of Varying Austenitizing Temperature and Cooling Rate on the Ability of HSLA-80 Steel to Achieve a Yield Strength Comparable to HSLA-100** ..... 77

G.E. Totten, M.E. Dakins, and R.W. Heins
**Cooling Curve Analysis of Synthetic Quenchants—A Historical Perspective** ..... 87

D.V. Doane
**Softening High Hardenability Steels for Machining and Cold Forming** ..... 97

J. Kim and R.E. Swanson
**Technical Note: The Role of Re Additions on the Grain Size and the Microstructure of Mo** ..... 111

W. Zabban
**Technical Note: Environmental Regulations and Treatment for Salt Baths** ..... 117

**Selected Abstracts of Heat Treating Literature** ..... 123

**Index to Volume 6**